



Docket: SJO920010142US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

7/A
mDS
2.1-15-04

INVENTORS: H. Gill

SERIAL NO.: 10/081,046

GROUP ART UNIT: 2653

FILED: 02/20/02

EXAMINER: C. Beacham

FOR: Magnetoresistance Sensor Having an Antiferromagnetic Pinning Layer With Both Surfaces Pinning Ferromagnetic Bias Layers

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED
JAN 12 2004
Technology Center 2600

RESPONSE TO OFFICE ACTION

Dear Sir:

In response to the Office Action dated October 6, 2003 please enter the following amendments and remarks in the above identified patent application.

01/09/2004 CCHAU1 00000147 090466 10081046

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S/N 10/081,046